ROCK SPRINGS QUADRANGLE UNITED STATES WYOMING-SWEETWATER CO. DEPARTMENT OF THE INTERIOR 7.5 MINUTE SERIES (TOPOGRAPHIC) GEOLOGICAL SURVEY SW/4 ROCK SPRINGS 15' QUADRANGLE 109° 15′ 41° 37′ 30″ R. 105 W. R. 104 W. (RELIANCE) 15 16 14 \_\_\_\_200-\_\_\_ the stripping-limit line. 23 21 22 NOTE: Overburden isopachs are not drawn beyond those shown because of insufficient data. COAL BED SYMBOLS AND NAMES 27 27 33 T. 19 N. T. 18 N. T. 18 N. 18 17 14 20 23 19 27 34 35 31 33 34 41° 30° 109° 15′ R. 105 W. R. 104 W. (KAPPES CANYON) 12'30" 109° 07′ 30″ Base from U.S. Geological Survey, 1968 Compiled in 1977/1978 SCALE 1:24 000 WYOMING UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION

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EXPLANATION

OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from surface to top of coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval is 100 feet (30.5 m) over strippable coal and 200 feet (61 m) beyond the stripping-limit line.

0426

DRILL HOLE - Showing thickness of over-burden, in feet, from surface to top of coal bed.

MINING-RATIO CONTOUR - Number indicates MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 200-foot-overburden isopach).

FU-1 - Fort Union No. 1 RS-15 - Rock Springs No. 15

\_\_\_\_\_RS-15\_\_\_\_\_ TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Dashed where inferred; short dashed where inferred by present authors.

TRACE OF FAULT - Bar and ball on down-thrown side when direction of movement is known.
Dashed where inferred or approximately

To convert feet to meters, multiply feet by 0.3048.

To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

This report has not been edited for conformity with U.S. Geological Survey editorial standards of stratigraphic nomenclature.

PLATE 6

OVERBURDEN ISOPACH AND MINING RATIO MAP OF THE ROCK SPRINGS NO. 15 COAL BED AND THE FORT UNION NO. I COAL BED

COAL RESOURCE OCCURRENCE MAP OF THE ROCK SPRINGS QUADRANGLE,